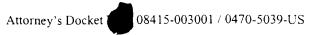
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In the claims:

Cancel claim 29 without prejudice.

Amend claim 1, 3-5, 8, 9, 12-14, 16, 20-22, 24, 27, 28, 30, and 31 as follows:

- A method for cultivation of filamentous fungi comprising the steps of:
- preparing a medium for submerged culture comprising a nutritional solid substrate (a) that receives said filamentous fungi; and
- inoculating said medium with said filamentous fungi in a bioreactor to carry out (b) fermentation wherein the mycelia of said filamentous fungi are attached to said nutritional solid substrate.
- The method as claimed in claim 1, wherein said nutritional solid substrate is a 3. carbohydrate.
 - The method as claimed in claim 3, wherein said carbohydrate is grain. 4.
- The method as claimed in claim 4, further comprising the steps of husking, 5. cooking and sterilizing said grain before adding to said medium.
 - The method as claimed in claim 7, wherein the culturing comprises: 8.
- inoculating said filamentous fungi from a stock culture to a new agar plate and (1)incubating in an incubator for 5 to 7 days;
 - washing spores and mycelia grown on said plate with sterile water; and (2)
- cultivating for about 36 to 48 hours said spores and mycelia in a medium (3)comprising a nutritional solid substrate by shaking to form a culture.
- The method as claimed in claim 1, wherein said bioreactor is a pneumatic 9. bioreactor.

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- The method as claimed in claim 11, wherein the medium of the batch comprises a 12. nitrogen source and a nutritional solid substrate.
 - A method for cultivation of the Monascus species comprising the steps of: 13.
- preparing a medium for submerged culture comprising a grain particle that (a) receives said Monascus species; and
- inoculating said medium with said Monascus species in a bioreactor to carry out fermentation wherein the mycelia of said Monascus species are attached to said grain particle.
- The method as claimed in claim 13, further comprising the steps of husking, 14. cooking and sterilizing said grain particle before adding to said medium.
 - The method as claimed in claim 15, wherein the culturing comprises: 16.
- inoculating said Monascus species from a stock culture to a new agar plate and (1)incubating in an incubator for 5 to 7 days;
 - washing spores and mycelia grown on said plate with sterile water; and (2)
- cultivating for about 36 to 48 hours said spores and mycelia in a medium (3)comprising a grain particle by shaking, to form a culture.
- The method as claimed in claim 19, wherein the medium of the batch comprises a 20. nitrogen source and a grain particle.
- A method for producing metabolites from cultivation of the *Monascus* species 21. comprising the steps of:
- preparing a medium for submerged culture comprising a grain particle that (a) receives said *Monascus* species; and
- inoculating said medium with said Monascus species in a bioreactor to carry out (b) fermentation wherein the mycelia of said Monascus species are attached to said grain particle.

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- The method as claimed in claim 21, further comprising the steps of husking, 22. cooking and sterilizing said grain particle before adding to said medium.
 - The method as claimed in claim 23, wherein the culturing comprises: 24.
- inoculating said Monascus species from a stock culture to a new agar plate and (1) incubating in an incubator for 5 to 7 days;
 - washing spores and mycelia grown on said plate with sterile water; (2)
- cultivating for about 36 to 48 hours said spores and mycelia in a medium (3) comprising a grain particle by shaking, to form a culture.
- The method as claimed in claim 21, further comprising cultivating said Monascus 27. MH species using the fed-batch process.
 - The method as claimed in claim 27, wherein the medium of the batch comprises a 28. nitrogen source and a grain particle.
 - 30. The method as claimed in claim 13, wherein the grain particle is rice.
 - The method as claimed in claim 21, wherein the gain particle is rice.--31.